

Public Improvement Construction Procedure Standard Specifications
Comment Disposition

Part	Section	Section/Drawing Number	Requested Change	Finding	Disposition
II - Design Standards	2 - Standard Drawings	Standard Drawing Index	Standard drawing index does not match actual drawings numbers	Corrected	Completed
II - Design Standards	2 - Standard Drawings	E-5	Standard Drawing E-5 is missing the staples. Dimension are shown for the staples but no staples. Appears layer was turned off when printed.	Corrected	Completed
II - Design Standards	2 - Standard Drawings	R-1	Has "2 agg base" floating right of the sidewalk. Looks like it may be missing a leader.	Corrected	Completed
II - Design Standards	2 - Standard Drawings	R-1	Existing Std. Dwg R-1 contains many details of the roadway cross-section and pavement section for the various road classifications . Most information is covered by other drawings or written design standards; other information by standard road design guidelines. some info appears to be undesirable or non representative of current practices.	Deleted outdated drawings for typical street cross section (per Tom Hickmann City Engineer)	Completed
II Design Standards		R6-A thru R6-D	added ADA drawings (R6-A thru R6D)	Added Drawings	Completed
II - Design Standards	2 - Standard Drawings	R-18F	"should " or shall? AASHTO says "shall". If not required we are going to continue to get black and brown painted posts without reflectors that are more of a hazard then if they were not installed in the first place. Need to have specific criteria for placement - too many in town already that don't serve a real purpose except to pose a hazard to cyclist. If more than one is used they need to be an odd number and placement is also an issue. They need to be at least 5' apart.	Made color and reflectoization elements mandatory rather than recommended. See modified drawing R7-A	Completed
II - Design Standards	2 - Standard Drawings	R-36	Why are there turn arrows on this drawing? Do the buses have to turn?	Arrows removed. Turn out bus pad drawings did not reflect current practice	Completed

Public Improvement Construction Procedure Standard Specifications
Comment Disposition

Part	Section	Section/Drawing Number	Requested Change	Finding	Disposition
II - Design Standards	2-3 Streets & Temp Traffic Control	R-40	No bus stops in roundabout approaches	This is reflected in the new standard drawings for marking . See R-40. Where bus stops are placed in roundabouts (RAB) sections near-side stops are preferred over far-side stops as not to block or back-up traffic within the entire RAB. A bullet item was added to the standard for clarification.	Completed
II - Design Standards	2 - Standard Drawings	R40 -R-43	Currently the city has no drawings making it more difficult for designers to develop striping plans and leading to inconsistency in plans between projects	Added new standard Drawings for pavement markings. Creating City collection of selected details for ODOT Std. Drawings	Completed
II - Design Standards	2-Standard Drawings	R-48 to R-52	Trail Standard needs to be incorporated as part as theTSP amendment related to the TSP: Bicycle and Pedestrian System Plan	added drawings and modified design standards	Completed
II - Design Standards	2 - Standard Drawings	STRM 7	Did not see standard detail for sedimentation manhole. This is one of our preferred treatment controls for lower traffic use areas so we had included those ones in the document as they may be identical to the COSM version but cleaner (e.g., not taken from a .pdf). Is your intent just to refer to the COSM version?	Corrected	Completed
II - Design Standards	2 - Standard Drawings	STRM 8	Will not meet DEQ requirements. No pre treatment is shown between the catch basin and UIC. We had provided a drawing that showed layout including pretreatment that does not appear in this document. Please consider using in place of existing R-13.	RESOLVED - Use Storm 8 in place of R-13	Completed
II - Design Standards	2-3 Streets & Temp Traffic Control	3.3.3	Design Speeds- Add to Standard design speeds- Maybe add "Bike Boulevard @20mph? http://www.portlandonline.com/transportation/ind ex.cfm?c=50518&a+263487	Bike Blvds while allowed are not a standard application. No change will be made.	Completed

Public Improvement Construction Procedure Standard Specifications
Comment Disposition

Part	Section	Section/Drawing Number	Requested Change	Finding	Disposition
II - Design Standards	2-3 Streets & Temp Traffic Control	3.6.6.3	Width - the bike lane is normally measured from the outside edge of the 8" stripe, not centerline. The 8" is included within the 6".	The city measures most lanes to the center of the lane line markings.	Completed
II - Design Standards	2-3 Streets & Temp Traffic Control	3.4.2.2.2	Standard Deviation - Reduced Width Local Streets - Bike Boulevard? Streets with low traffic volume and speed where bicycles , pedestrians and neighbors are given priority. Bicycle Boulevard goals are: Reduce auto cut-through. Provide safer bicycling and pedestrian connections, Reduce auto speeds, Help people across our busier streets, Guidance to let people know they are on the route and where they are going, provide more eyes on the street leading to greater safety for everyone.	Valid point. Reviewer will support adding this criteria in the next SS update.	Completed
II - Design Standards	2-3 Streets & Temp Traffic Control	3.6.6	Bike lanes add word "trip"	Will be included at next review	Completed
II - Design Standards	2-3 Streets & Temp Traffic Control	3.6.6.1	Marking, Striping, and Signing - Change Judgment to judgments	Is not plural. Leave as is.	Completed
II - Design Standards	2-3 Streets & Temp Traffic Control	3.6.6.1	Marking, Striping, and Signing - To avoid premature wear of the stencil they should no be immediately after the intersection, but more like 20' after the intersection to avoid turning vehicle tire paths. See ODOT B/P Plan Figure 118 on page 146	"Immediately" is MUTCD language and is not meant in the literal sense. Proper placement is shown in new drawing R-46	Completed

Public Improvement Construction Procedure Standard Specifications
Comment Disposition

Part	Section	Section/Drawing Number	Requested Change	Finding	Disposition
II - Design Standards	2-4 Sanitary Sewer Systems	4.5.2.1	With the addition of WILO-USA to the approved pump manufactures list the /city of Bend can be assured of product reliability and competitive bidding	City is not considering approval at this time	Completed
II - Design Standards	2-6 Stormwater	6.2	Design Storm Requirements, 2nd sentence: Missing a word between "Any exemption" and "the Basic Requirements,...."; perhaps "to".	Corrected	Completed
II - Design Standards	2.6 Stormwater	6.2.1	Needs a period at the end of the paragraph	Corrected	Completed
II - Design Standards	2.6 Stormwater	6.2.1.3	Considering spelling out Pollutant Generating Surfaces (PGS) in the second sentence, since it is the first time it is used.	Corrected	Completed
II - Design Standards	2.6 Stormwater	6.3.1	The acronym for Santa Barbara Urban Hydrograph Method should be "(SBUH..." rather than "(SPUH..." in the first sentence. Additionally there is a broken reference in the first sentence: "Section 5.3.3" refers to limitations as found in the 2007 version of the COSM; the correct reference for the 2010 version is "Section 5.3.1."	Current version did not have this included	Completed

Public Improvement Construction Procedure Standard Specifications
Comment Disposition

Part	Section	Section/Drawing Number	Requested Change	Finding	Disposition
II - Design Standards	2.6 Stormwater	6.3.3.1	This section modifies Section 5.5.1 of the COSM, which references a 10 year storm frequency and then increasing by 10%, 20% and 25% for a 25 year, 50-year and 100-year efficiency for runoff coefficients. The modification indicates to use the ODOT Hydraulics Manual for runoff coefficients for the 25 year storm frequency. Therefore it seems the second sentence should be modified as follows since they are starting with the 25 year storm (note, I haven't actually checked the ODOT manual to see if they have the 25 year storm listed in their table and not just the 10 year storm): " When designing for a 40-, or 100-year frequency, runoff coefficients shall be increased by 10 percent, 20 percent, and 25 percent respectively." For consistency consider adding in front of the first sentence "(Modification to COSM Section 5.5.1)".	This section was modified in revision this comment is no longer relevant	Completed
II - Design Standards	2.6 Stormwater	6.4.4	Typo, need space between "If" and "it".	Corrected	Completed
II - Design Standards	2.6 Stormwater	6.5.3.1	typo, Change "kid" to "kind".	Corrected	Completed
II - Design Standards	2.6 Stormwater	6.5.3.2	"With exception to drywell in swales" DEQ does not allow UICs within the swales themselves. Reword	Corrected	Completed
II - Design Standards	2.6 Stormwater	6.5.3.4	Remove (clarification) or state specific COSM reference location being clarified.	Corrected	Completed
II - Design Standards	2.6 Stormwater	6.5.3.5	Remove (clarification) or state specific COSM reference location being clarified.	Corrected	Completed
II - Design Standards	2.6 Stormwater	6.5.3.6	"The minimum amount of cover is 2 feet" change to read The minimum amount of pipe cover is 2 feet.	Corrected	Completed

Public Improvement Construction Procedure Standard Specifications
Comment Disposition

Part	Section	Section/Drawing Number	Requested Change	Finding	Disposition
II - Design Standards	2.6 Stormwater	6.5.3.7	Inverts and junctions. " Exceptions may be allowed by the City of Bend when topographic conditions will significantly affect the depth of the disposal location" Please clarify. I have no idea what this is trying to say.	No change is needed - per Jeff England	Completed
II - Design Standards	2.6 Stormwater	6.6.1	State whether the statement is adding, replacing or modifying and the specific COSM section.	Reviewed - no change made	Completed
II - Design Standards	2.6 Stormwater	6.6.1.1	State whether the statement is adding, replacing or modifying and the specific COSM section.	Reviewed - no change made	Completed
II - Design Standards	2.6 Stormwater	6.6.2.1	"(See Section 6.5)" Is this in the COSM? need to specify if in COSM or COB Design Standards.	Reviewed - no change made	Completed
II - Design Standards	2.6 Stormwater	6.6.3.1	Drywells are typically a minimum 48 inches in diameter" Cant we just say "Drywell shall be 48 inches in diameter." It would line up better with the standard drawing.	Reviewed change made as suggested	Completed
II - Design Standards	2.6 Stormwater	6.6.4.1	described in chapter 11", Specify COB Design Standards	Reviewed change made as suggested	Completed
II - Design Standards	2.6 Stormwater	6.6.5	See section 6.2", Specify COB Design Standards	Reviewed change made as suggested	Completed
II - Design Standards	2.6 Stormwater	6.6.7.2 thru 6.6.7.5	"Modification" Not sure what is being changed C	Reviewed Clarification made	Completed
II - Design Standards	2.6 Stormwater	6.7.1 thru 6.7.3	"Modification" Not sure what is being changed COSM or section 6.4 of the COB design standards.	Reviewed Clarification made	Completed
II - Design Standards	2-9 Canal and Irrigation Laterals	9.3	Reference is made in 9.3 MATERIALS to N-12 pipe. This is a trade name, as manufactured by ADS. The references to ASTM specs are good, but would be good to add the manufacturer....as N-12 is not necessarily commonly understood.	Modified language in 9.3	Completed

Public Improvement Construction Procedure Standard Specifications
Comment Disposition

Part	Section	Section/Drawing Number	Requested Change	Finding	Disposition
II - Design Standards	2-9 Canal and Irrigation Laterals	9.3	This Design Standard is referring to culverts across public right of way, which is appropriate. However...isn't this standard to be used for design of replacement, or relocated irrigation culverts outside the public right of way, in Irrigation District easements. I'm working for Swalley Irrigation District as their Engineer, and they enforce their own specs for new development that affects their easement. For completeness, and especially due to the cooperation that Bend and the irrigation districts are experiencing, it would be good to refer to District development, design and construction standards, and to other agreements and requirements that the District may impose.	Modified language in 9.3	Completed
II - Design Standards	2-9 Canal and Irrigation Laterals	9.3	Section 9.3 MATERIALS says that "conduit shall conform to requirements of Chapter 6 Stormwater"..but Chapter 6 doesn't really address materials nor does the COSM. Perhaps just clarify what materials are acceptable in the public ROW and refer to irrigation district standards as material requirements for elsewhere? Swalley requires pressure-rated HDPE for all lateral piping. This isn't addressed here, and could be in conflict with City's preferred public right of way preferences for C900 or C905 pipe.	Modified language in 9.3	Completed
II - Design Standards	2-11 Geotechnical Engineering	11.3.3	Typo, "All drywell shall be...." is duplicated.	Corrected	Completed

Public Improvement Construction Procedure Standard Specifications
Comment Disposition

Part	Section	Section/Drawing Number	Requested Change	Finding	Disposition
III COB Special Provisions	00200 Temp Features and Appurtenances	280.01	National g rewrite: Pollutant Discharge Elimination System. The DEQ recently updated the 1200 C permits in November/December 2010 and there is no longer a 1200 CA (A For Agency) permit. It is not clear to whom "Agency" in the second sentence of the section refers as they also mention "local government" in the third sentence. Suggest following: Comply with all federal, state and local laws, rules, and regulations, including but not limited to, the National Pollutant Discharge Elimination System (NPDES) MS4 and 1200C Permit(s) and the WPCE LUC Permit or	Corrected to match suggested verbiage	Completed
III COB Special Provisions	00400 Draining & Sewers	470.48	Concrete cap shows 1 foot in detail and is called out as 2 feet in the text (referring to overhang into native soil)	Revised SD R-12	Completed
III COB Special Provisions	00759 Misc. Portland Cement Structures	759	Street Dept. Prefers to use Vanguard Armorcast - cast in place instead of ADA Solutions CAST in TAct3	Changed to reflect COB preference	Completed
III COB Special Provisions	00800 -Permanent Traffic Safety and Guidance Devices	800	add special provision for Section 800 - Special Provisions for these sections eliminate certain materials and construction methods not used or desired by City.	Add - provides city -specific special provision for Part 00800	Completed

Public Improvement Construction Procedure Standard Specifications
Comment Disposition

Part	Section	Section/Drawing Number	Requested Change	Finding	Disposition
III COB Special Provisions	1140 -Potable Water Fittings	1140.40(b)	Consider change in Design Standards to reflect that dry unit weight of soils material is not the relevant requirement to meeting compaction and shear strength of soils	After reviewing change request and the engineering analysis from Siemens and Associates of requestors soil material we agree that the dry unit weight of soils material is not the relevant requirement to meeting compaction and shear strength of the soils. As a result we have modified the Construction Specifications to now allow any material that satisfies requirements stated in the Oregon Standard Specifications for Construction 2008, Section 1140.40(b) and any referenced sub sections, or sections, as acceptable backfill material.	Completed
III COB Special Provisions	1140 - Potable Water and Fittings	01140.53(f)	<p>The reference to C651 is incorrect for "pressure testing"..C651 refers to disinfection testing....there is no specification in C651 that addresses working pressure of pipeline, and minimum/maximum testing pressures.</p> <p>Agree that referencing industry standard is good practice. Consider if there is a minimum or maximum that's allowable....C600 talks about 1.5 x working pressure at lowest point in the system, about not exceeding design for thrust restraint. City inspectors need to have access to C600 or the design plans need to have reference for a required "hydrostatic test pressure". Otherwise, there may be arguing and last minute lack of clarity about testing requirements.</p> <p>note that this reference to C600 doesn't appear to cover hydrostatic pressure testing of services, or alternative pipe materials that may connect to the pipeline...check for conflicts with other spec sections.</p>	Changed to C600	Completed

Public Improvement Construction Procedure Standard Specifications
Comment Disposition

Part	Section	Section/Drawing Number	Requested Change	Finding	Disposition
III COB Special Provisions	01140 - Potable Water and Fittings	1140.53(b)	Conflict with the standard when testing will be conducted	Changed time of testing to be consistent with normal working hours of inspectors	Completed
III COB Special Provisions	1140 - Potable Water and Fittings	01140.53(f)	Note that this reference to C600 doesn't appear to cover hydrostatic pressure testing of services, or alternative pipe materials that may connect to the pipeline...check for conflicts with other spec sections.		Pending
All	all	all			Searched and removed the word handicap